

Electronics and Computer Engineering Technology

BG PERSPECTIVE (BGP) REQUIREMENTS:

Course _____ Credits _____

Must complete at least 1 course in each of the following:

English Composition and Oral Communication

Quantitative Literacy

Must complete at least 2 courses in each of the following:

Humanities and the Arts

Natural Sciences - at least one Lab Science required

Social and Behavioral Sciences

Complete total required BGP credit hours by selecting courses from any of the above categories:

UNIVERSITY REQUIREMENTS

Note: Designated courses in the Humanities and the Arts, and the Social and Behavioral Sciences domains may be used to fulfill both a BGP requirement and one of the following university requirements:

Cultural Diversity in the U.S. _____

International Perspective _____

Composition Requirement:

_____ WRIT 1120 Research Writing _____

Total BGP Credits: Must be at least 36

** These courses may be used to meet BG Perspective requirements, but hours are counted only once.

See the Undergraduate Catalog

+ ECET 1960 must be taken before TECH 2890, and must receive a grade of C or higher.

- Matriculation courses are shown in **BOLD PRINT**.

NOTES:

- Due to the cooperative education requirement, in order to complete this program in four years, it is necessary for the student to either enroll in co-op hours or coursework during the summer as well as during the academic year. If a student is not able to do so, this program will take five years to complete.

Courses Required for Major

Cooperative Education 8 Hrs

_____ **TECH 2890 Co-op 4**
_____ TECH 3890 Co-op 4

Concentration 51 Hrs

_____ **ECET 1960 Electrical-Electr Sys+ 3**
_____ ECET 2050 Renewable Energy 3
_____ **ECET 2400 Electric Circuits 3**
_____ **ECET 2410 Electronic Circuits 3**
_____ **ECET 2490 Dig Elec Comp Sys 3**
_____ ECET 3000 Elec Mach Ctrls 3
_____ ECET 3100 Program Logic Ctrls 3
_____ ECET 3410 Electronic Devices 3
_____ ECET 3440 Comm Circuits 3
_____ ECET 3490 Digital Comp Analysis 3
_____ ECET 3860 Dig Comm Networks I 3
_____ ECET 4410 Instrumentation 3
_____ ECET 4450 Wireless Commun Systems 3
_____ ECET 4530 Digital Comm Ctrls 3
_____ ECET 4860 Dig Comm Networks II 3
_____ ECET 4900 Prob in ECET 3
_____ **ENGT 1100 CAD 3**

Technology Electives 3-4 Hrs

_____ CS 2020 Objects and Data Abst 3
_____ CS 2170 Computer Organization 3
_____ ECET 3570 Electric Power Trans 3
_____ ECET 4800 Topics in ECET 3
_____ TECH 4890 Co-op 4

Other Required Courses

University 35-36 Hrs

_____ **CS 1010 3**
_____ CS 2010 3
_____ **MATH 1280** 5**
_____ **PHYS 2010** 5**
_____ PHYS 2020** 5
_____ MATH 1310**or 1340**+1350 5-6
_____ COMM 3060 3
_____ STAT 2000** 3
_____ TECH 3020 3

Business (Select) 9 Hrs

_____ MKT 3000 (prereq ECON 2000**) 3
_____ MKT 4420 3
_____ ACCT 2000 3
_____ MGMT 3000 (prereq STAT 2120) 3
_____ MGMT 3050 or MGMT 3600 3
_____ LEGS 3010 3

Total Minimum Program Hours 124

Important information on the back.

College of Technology, Architecture and Applied Engineering

General Information for all students in the College

In addition to completing all requirements on the checksheet, students are responsible for:

Matriculation

Full admittance to a major in a College of Technology, Architecture and Applied Engineering program will become effective when a student has:

1. Attained an overall BGSU grade point average of at least 2.25 for all courses taken prior to applying for matriculation and a 2.5 in courses in the major;
2. Completed a cooperative education experience—TECH 2890 (Aviation Studies, Architecture, LDT and QS majors are exempt from this requirement);
3. Completed with a grade of “C” or better in all bold courses , as specified on program checksheets;
4. Applied for matriculation. Applications are available from the Undergraduate Student Services Office.

The steps listed above must be completed before students will be permitted to register for 3000- and 4000-level courses in the College of Technology, Architecture and Applied Engineering.

Co-op

All students in the College are required to complete 2 or 3 co-ops, depending on your major. **THIS IS A COURSE.** It carries credit and is graded. It is full time (40 hrs/week) for the entire semester or part-time (20 hrs/week) for two consecutive semesters, paid and must be directly related to your major. All students **MUST** complete the Co-op Orientation.

Email

Official University email accounts are required for all BGSU students. Official BGSU email addresses are in the form: BGSUusername@bgsu.edu. At the time of admission or initial registration, all students will receive a bgsu.edu email account. Students may anticipate that official University correspondence will be sent to this email account and they should access BGSU email on a regular and timely basis. All correspondence from Undergraduate Student Services will be sent to your BGSU email.

Checksheet

The checksheet should be used in conjunction with the degree audit and advising to track progress toward degree completion.